Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

SBR.No

No. Second and Final Bill
Division : RR Nagara
Estimate Cost (Rs.) :-400.00 Lakhs

Date.....20.....
Sub-Division:Yeshwantpura

Bill Received No .....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket No: Head of Account : P- D.R. No:

Name of Work (as per sanctioned estimate):- **Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency**
Job Code:-016-20-000026
Name of Contractor and Full Address:**N.M Krishnamurthy,Bangalore**
Reference to Agreement No /Wo No: EE/RRND/Wo.No/000008/2021-22
Dt:-

Certified that the measurements were taken by me on 30/05/2022 and recorded of Pages No 59754O - 546
Of measurement Book No :5976 21-22 and that the work is satisfactorily executed.

N.M
Signature of Contractor

Certified that the measurements were taken by me on 30/05/2022 and found correct. The work is satisfactorily executed.

Officer-in-charge of work

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

Sub-Division Officer

1) Total value of work done or supplies made as per account within		3498320+419784=	391.81.184-
2) Deduct amount to be held in reserve being.....percent Rs.		D.P.P. (-) 7206089+ 864731 =	8070820-
3) " Balance		2,77,77,111 + 33,33253 =	311.10364-
4) Deduct Payment :			
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....-		(-)	26,27,436 -
Amount adjusted towards cash advance recovery of			
b) Payments cost store or other materials supplied.	IT - 277771-		
Now made recovery of amount creditable to this/other work Amount paid on this bill Cheque/Cash	CGST - 277771-		
5) Balance being unpaid value of work done held in reserve	SGST - 277771-		
6) Deduct cash advance made on the office Cash Book Voucher No.....date .....less adjustments	LP - 653575-		
7) Net amount due to or from contractor Unadjusted items	CBF - 27777-		
8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied	WWC - 277771-	By cheque -	2.84.82.928 -
	FSD - 835000-		

Contractor's Signature

N.M

Received Rs... .....(in works)
.....

By Cash and by adjustment of Payment as per memorandum.
Witnesses:

(For use in the Office)

1.
2.

Dated..... N.M **Signature of Contractor**

Paid by me by cheque No..... Dated.....

Cash Rs..... Dated.....

Initials of Officer Making Payment

Audited and admitted for Rs. 3111.0364-
Passed by Cheque for Rs. 2.84.82.928-
(Two crore eighty four lakh eighty two thousand nine hundred twenty eight)
by adjustment 26.27.436-

Executive Engineer

Accounts Superintendent
Yeshwanthpur Division, BBMP

Exe. Engineer

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SLNo	Description of work	Unit	Schedule-B Qty	Schedule-B Rate	Previous Measurement		Present Measurement				
					Qty	Amount	Qty	Amount	Qty.	Amount	
1	KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar. MORTH Specification No. 202(P-139/ITNO:18.26)PWD SR 2018-19	Cum	93.60	424.00	0.00	0.00	90.54	38388.96	90.54	38388.96	
2	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 143/ Item No. 19.1/ PWD SR 2018-19	Cum	1720.58	248.00	82.17	20378.16	1638.41	406325.68	1720.58	426703.84	
3	KSRRB M2900-1. Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No. 408 KPWD S.R 2018-19 Page No. 254 I.No. 34.1	Cum	261.48	4703.00	13.70	64407.59	247.78	1165309.34	261.48	1229716.93	
4	KSRB 4.2.8 Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.Wall & bottom thickness 15cm pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 KPWD S.R 2018-19 Page No. 14 I.No. 4.13	Cum	552.85	6557.00	27.39	179596.23	525.46	3445441.22	552.85	3625037.45	

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Sl.No	Description of work	Unit	Schedule-B Qty	Schedule-B Rate	Previous Measurement		Present Measurement		Total		R
					Qty	Amount	Qty	Amount	Qty.	Amount	
5	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 TMT Bars Fe 500(P-229/28.8.2) PWD SR 2018-19	Tonnes	33.61	81300.00	1.41	114764.28	32.20	2617697.40	33.61	2732461.68	
6	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.90 x 0.60 x 0.10) (Approved Data rate)	Sqm	1442.34	2337.00	0.00	0.00	1442.34	3370748.58	1442.34	3370748.58	
7	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.60 x 0.25) (Approved Data rate)	Sqm	57.60	5418.00	0.00	0.00	57.00	308826.00	57.00	308826.00	
8	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (pg no-140,S.Lno-18.47)KPWD S.R 2018-19	Cum	1020.54	1043.00	0.00	0.00	1020.44	1064319.96	1020.44	1064319.96	
9	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301(pg no-143,S.Lno-19.14)KPWD S.R 2018-19	Cum	3173.16	89.00	1706.00	151834.00	1467.16	130577.24	3173.16	282411.24	
10	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.-do- with 225mm outer dia KPWD S.R 2018-19 Page No. 77I.No. 11.56.6	mtrs	1449.85	2124.00	1449.85	3079481.40	0.00	0.00	1449.85	3079481.40	

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Sl.No	Description of work	Unit	Schedule-B Qty	Schedule-B Rate	Previous Measurement						
					Qty	Amount	Qty	Amount	Qty.	Amount	
11	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per specifcations. MORTH Specifcation No. 408. KPWD S.R 2018-19 Page No. 254 I.No. 34.1	Cum	105.47	4703.00	105.13	494402.88	0.00	0.00	105.13	494402.88	
12	KSRB 12-5.2 : Constructing brick masonry circular type manhole 0.91 m internal dia at bottom, 1.67 m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diametre confirming IS :12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4KPWD S.R 2018-19 Page No. 73 I.No. 11.38	No,s	52.00	27023.00	52.00	1405196.00	0.00	0.00	52.00	1405196.00	

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Sl.No	Description of work	Unit	Schedule-B Qty	Schedule-B Rate						
					Qty	Amount	Qty	Amount	Qty.	Amount
13	KSRB 12-8.1 : Constructing brick masonry inspection chamber for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS. – do – 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450m(P.No. 73/ I.No.11.50.3 of PWD SR 2018-19)	No,s	155.00	5898.00	155.00	914190.00	0.00	0.00	155.00	914190.00
14	KSRB 12-7.1 : Making connection of drain or sewer line of size 230 to 300 mm external dia with existing manhole including breaking into and making good the walls, floors with cement concrete M 15 with 20mm and downsize granite metal, cement plastered on both sides of mix 1:3, finished with a floating coat of neat cement, and making necessary channels for the drain, including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS KBS KPWD SR P-73 I.NO.11.48	No,s	104.00	3881.00	104.00	403624.00	0.00	0.00	104.00	403624.00
15	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6 P.No73I.NO.11.44	No,s	52.00	307.00	52.00	15964.00	0.00	0.00	52.00	15964.00
16	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. - 110mm dia KPWD SR P-88 I.NO.12.116.1	Mtrs	750.00	483.00	750.00	362250.00	0.00	0.00	750.00	362250.00

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Sl.No	Description of work	Unit	Schedule-B Qty	Schedule-B Rate	Previous Measurement		Present Measurement		Total UP-to-date		Rem
					Qty	Amount	Qty	Amount	Qty.	Amount	
17	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (pg no- 153,S.I.no-20.5)KPWD S.R 2018-19	Cum	1020.54	2094.00	0.00	0.00	1020.44	2136803.45	1020.44	2136803.45	
18	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5-do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. (P.No.174, I.No. 22.1.2 of PWD SR 2018-19)	Cum	1020.54	4078.00	0.00	0.00	1020.44	4161358.40	1020.44	4161358.40	
19	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work	Cum	1020.54	5470.00	0.00	0.00	1020.44	5581812.27	1020.44	5581812.27	
20	Vaccum de-watering with vaccum pump and suction mat and . compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. Pg;176 Item No 22.7 in SR 2018-19.	Sqm	6803.58	76.00	0.00	0.00	6802.94	517023.44	6802.94	517023.44	

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Sl.No	Description of work	Unit	Schedule-B Qty	Schedule-B Rate	Previous Measurement		Present Measurement		Total Up-to-date	
					Qty	Amount	Qty	Amount	Qty.	Amount
21	Supplying of LED Streetlight luminare with pressure die cast aluminium housing body for optimal thermal dissipation Lamp compartment comprising of anti glare clear diffuser with injection moulded polycarbonate material, delivering superior light output. maximum light intensity should be between 60 degrees to 70 degrees. CCT>550K,IP 66 Optical and electrical compartment & impact resistance of complete luminaire>IK08, power Factor >0.9 with mains Surge Protection-Min 5KV along with Over Voltage/Overload, short circuit/miss-wiring protection. Compatible for pole mouting with outer dia of 40mm tio50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60HZ application Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with Rohsw UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.LED Light fixture with ---W System power consumption, LED Efficiency>130m/w, nominal CRI>75. luminaire manufacture should have in-house facility accredited by NABL/CPRI & any Government certified agency & Desing & Development facility certified by ISO 9001:2008, Housing with supplier word mark/name shall be Engraved/Embossing on the die cast housing/Body part. Warranty of 2 years against any manufacturing defect working under standard electrical aonditions as mentioned above shold be given by LED manufacturer & Cree/Nichia/lumileds/Osram make LED Source.LED Streetlight 70 Watts(Page No.67	Each	300.00	5753.00	0.00	0.00	300.00	1725900.00	300.00	1725900.00
22	Supplying and fixing of 4pole power contactor with NO/NC Contacts on Existing Wood/panel biard using necessary bolts, nuts,washers and wiring Ect, complete with AC-3 Rating and as per IS-13947(100 to 125Amps, Item No.5.13.4, Page No.26)	Each	22.00	7559.00	0.00	0.00	22.00	166298.00	22.00	166298.00
23	Supplying and Fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with short circuit breaktong capacity of 10k and complete wiring as required confirming to IEC 60898.(Page No.27, Item No.5.17.3)50-63 Amps SP	Each	44.00	759.00	0.00	0.00	44.00	33396.00	44.00	33396.00

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Sl.No	Description of work	Unit	Schedule-B Qty	Schedule-B Rate	Previous Measurement		Present Measurement		Total UP-to-date		Remarks
					Qty	Amount	Qty	Amount	Qty.	Amount	
24	Supplying and Installation/Fixing/Provision of Outdoor type Thermoplastic Modular panel enclosure with transparent polycarbonate Lid, shock proof, IP65 (Weather Proof).rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix single Phase/three Phase Engergy Meter in Suiteble base plate and having a provision for Fuse/MCB cutout with suitable transparent hinged flap operating MCB along with complete tamper proof SEALING facility., 300mmX450mmX214mm (Page No.31, Item No.5.44.3)	Each	44.00	5382.00	0.00	0.00	44.00	236808.00	44.00	236808.00	
25	Micro processor based electronic timer consisting of Display Unit (LCD), built in Real Time Clock (RTC) and keypad with option to operate relay/Contactor in programmable mode (pre-defined ON/Off time)or astronomical mode (based on sunset and sunrise depending on the latitude and longitude of the location of installation of Switch) or based on Intensity of natural light (lux level using IR sensor), built in software to seclect the mode of operation by the user (Approvaed Rate)	Each	22.00	7573.00	0.00	0.00	22.00	166606.00	22.00	166606.00	
26	Supplying and fixing of ….mm dia class A Gl pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1X40/2X40 watts fluorescent tube street light fitting of all Capacties. To Gl or Cl or rail or RCC pole/wall using suitable clamps. bolts and nuts wiring using suitable capacity wires. Using 32mm dia G.I.Pipe (pag. No.79, Item No.14.1.2)	Each	300.00	877.00	0.00	0.00	300.00	263100.00	300.00	263100.00	
27	Fixing charges of post top/Gate/Garden fitting /LED on the existing Cl/Gl or any other pipe using required size of reducer, wiring using suitable wires, (item No.14.6 Page No.79)	Each	300.00	162.00	0.00	0.00	300.00	48600.00	300.00	48600.00	
28	Supplying and fixing Moulded case circuit Breker (MCCB) over the exisiting wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete protection of overload and Short circuit with tharmal Mangnetic/Micro processor relese and Earth Fault as per IS-13947(Icu=Ics)100Amps 25ka.(Item No.5.14.1, Pag No.26)	Each	22.00	4756.00	0.00	0.00	22.00	104632.00	22.00	104632.00	
29	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, stranded Aluminium wire single core in open or Concealed system of Wiring, 4 sqmm(Item No.2.7.1, Ipag No.7)	mtrs	3000.00	9.00	0.00	0.00	3000.00	27000.00	3000.00	27000.00	

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Sl.No	Description of work	Unit	Schedule-B Qty	Schedule-B Rate	Previous Measurement		Present Measurement		Total Up-to-date		RH
					Qty	Amount	Qty	Amount	Qty.	Amount	
30	Suppling of 1.1 KV LT Ug Cable XLPE or Heat resistant PVC insulateded PVC Extruded inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistiy 14 Ohma/kms (Max) as per IS-3975 , 3.5 core 25 sqmm(Item No.6.4.5, Page No.40)	mtrs	300.00	193.00	0.00	0.00	300.00	57900.00	300.00	57900.00	
31	Labour Charges for laying of 1.1 Kv class UG cable in Existing trench Gl pipe/ stoneware pipe/on wall/on pole as required.25 sqmm to 75 sqmm(Item No.6.5.2, Page no.41)	mtrs	142.00	16.00	0.00	0.00	140.00	2240.00	140.00	2240.00	
	Total Amount					**7206088.53**		**2,77,77,111.95**		**34983200.48**	
	GST 12%					**864730.62**		**33,33,253.43**		**4197984.06**	
	Grand Total					**8070819.16**		**3,11,10,365.38**		**39181184.54**	

Certificate

1 The above work has been Completed satisfactorily
2 The debris has been removed and disposed from the work spot.
3 No. departmental issues are made to the contractor

CIVIL ONE ENGINEERS & CONSULTANTS

Contractor Representative

Assistant Executive Engineer
Yeshwantpura Sub Division
BBMP

Executive Engineer
RR Nagara Division.
BBMP

Assistant Engineer
ward no.16
BBMP

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